



Motion Sensing Halogen Fixture

Model: SH-9525AU

Installation and Operating Instructions

FEATURES

- Automatically comes on when motion is detected.
- Automatically turns light off.
- Photocell keeps the light off during daylight hours.
- LED indicates motion was sensed (day or night).

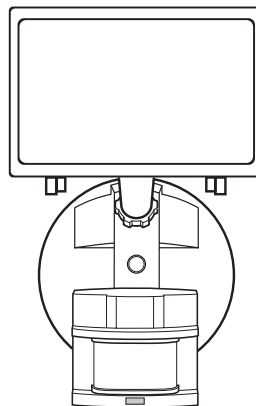
UNPACKING

Be sure to remove all contents from packaging and verify all items are present before assembling this light fixture. This package includes the following items:

- Security Light
- Canopy Extension with Rubber Gasket
- Rubber Plug
- Mounting Bolt
- Light Shield
- Owner's Manual

REQUIREMENTS

- The light control requires 230 volts AC.
- If you want to use Manual Mode, the control must be wired through a switch.
- **It is illegal for persons other than a licensed electrician or person authorized by legislation to work on fixed wiring or other electrical installations.**



Security Light*

**Note:* Illustrations are for reference only and may be different from actual product

Before installation, record the model number listed inside the fixture. Attach receipt in case of possible warranty issues.

Model Number: _____

IMPORTANT SAFETY AND INSTALLATION INFORMATION

Before installing security light, read all instructions carefully and keep owner's manual for future reference.

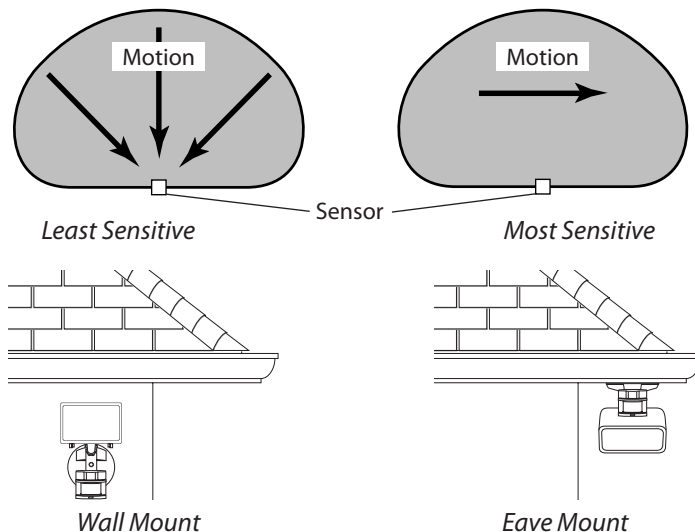
- **WARNING:** To prevent electric shock, please ensure that power is disconnected before installation.
- **WARNING:** Risk of fire. Keep fixture at least 51 mm (2") from combustible materials. Do not aim at objects closer than 1 meter (3 feet). 
- **CAUTION:** Allow fixture to cool before touching. The bulb and the fixture operate at high temperatures.
- **CAUTION:** Use only T3, 250W (maximum) tungsten halogen 230 VAC lamps.
- **CAUTION:** Keep the sensor at least 25 mm (1") away from the bulb.
- **CAUTION:** The sensor must be mounted below the lamp housing for wall installations.
- This fixture must be connected to a 230V-240V ~ 50Hz power source.
- The fixture must be properly grounded.
- This fixture is designed for outdoor installation and should be mounted to a wall or eaves.
- To achieve best results, this fixture should be mounted 2.4 meters (8 feet) above the ground. **Note:** If fixture is mounted higher than 2.4 meters (8 feet), aiming the sensor down will reduce coverage distance.
- Do not use dimmer switches or timers with this fixture.
- Replace any cracked or broken safety shield. 

The sensor on this light fixture detects "motion" by the movement of heat across the coverage area. However, following are examples of objects that also produce heat and can cause the sensor to trigger:

- Pools of Water
- Air Conditioners
- Dryer Vents
- Animals
- Heating Vents
- Automobile Traffic

If you suspect that a heat source of this type is triggering the sensor, reduce the sensitivity.

The sensor on this fixture is more sensitive to the movement of heat moving across the coverage area and less sensitive to the movement of heat directly towards it.



Note: Light fixture and sensor should be mounted as shown above when installed (depending upon type of installation).

INSTALLATION

This light fixture must be installed by a licensed electrician or other person authorized by legislation to work on fixed wiring or other electrical installations.

⚠ WARNING: Turn power off at circuit breaker or fuse. Place tape over circuit breaker switch and verify power is off at the fixture.

IMPORTANT: Do NOT use with dimmers or timers.

For best performance, mount the fixture about 2.4 meters (8 feet) above the ground. *Note:* If fixture is mounted higher than 2.4 meters (8 feet), aiming the sensor down will reduce coverage distance.

This fixture comes with a canopy extension. It is pre-assembled on the fixture for shipping.

1. Remove the center mounting bolt connecting the fixture canopy to the canopy extension (see Figure 1). *Note:* Be sure rubber gasket is on the canopy extension.
2. Place the canopy extension against the mounting surface and mark the positions for the mounting screws (see Figure 2). *Note:* When positioning the canopy extension for mounting, do the following:
 - Keep the mounting tabs level
 - Make sure the canopy extension is turned as shown in Figure 2
 - Make sure the house wiring is located behind or below the rubber grommet.
3. Use a power drill to drill into the wall to provide a suitable mounting for the screws.
 - Canopy extension mounting screws are not included. Use 4mm dia. (8G) x 30mm screws.
 - Care should be taken to avoid drilling or screwing into concealed electrical wiring.
 - For solid brick walls, screws and masonry plugs should be used.
4. Make a small hole in the rubber grommet and route the house wire through the hole (see Figure 3).
5. Attach the canopy extension to the surface.

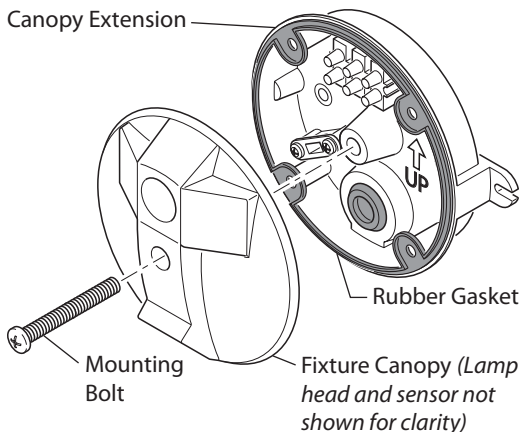


Figure 1

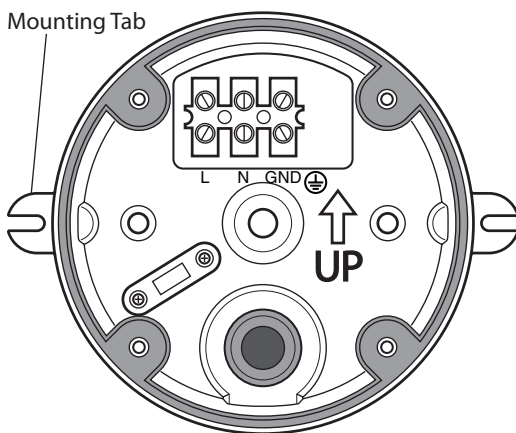


Figure 2

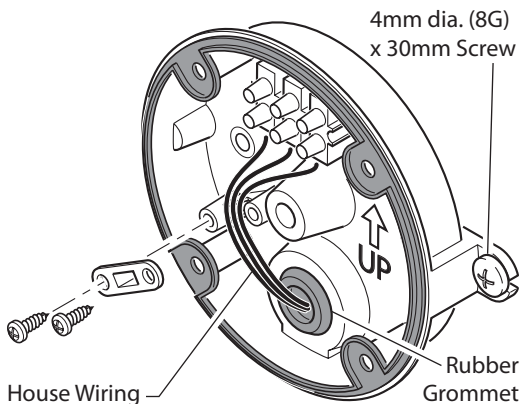


Figure 3

WIRING

⚠ WARNING: Turn power off at circuit breaker or fuse. Place tape over circuit breaker switch and verify power is off at the fixture.

1. Connect the house wires to the terminal block according to diagram (see Figure 4). Make sure all screws on terminal block are tightened securely.
2. Remove the strain relief cover and place the house wires across the strain relief (see Figure 5).
3. Replace the strain relief cover and tighten securely. **Note:** Be careful not to overtighten and damage the wiring.

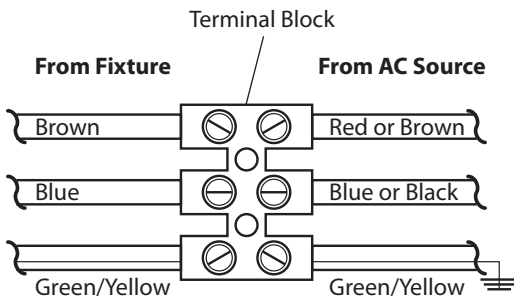


Figure 4

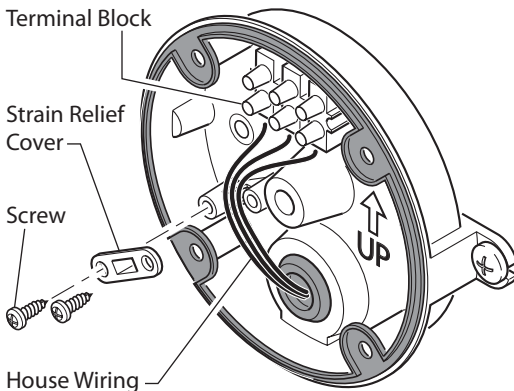


Figure 5

FINAL ASSEMBLY

1. Double check all wiring connections.
2. Verify the rubber gasket is properly seated around the edge of the canopy extension (see Figure 6).
3. Align the center hole on the fixture canopy with the center hole on the canopy extension and attach using the mounting bolt removed in step 1 of *Installation* (see Figure 6).

IMPORTANT:

- If wall mounted, make sure the fixture is mounted with the sensor below the bulb holders.
 - If eave mounted, mount the fixture with sensor facing away from the house wall (see *Eave Installation Information* for important sensor orientation information).
4. Push the rubber plug firmly into place (see Figure 7).
 5. Caulk around top half of canopy extension with silicone weather sealant (see Figure 7).
 6. Install bulb. **Do not exceed wattage rating on fixture label.**

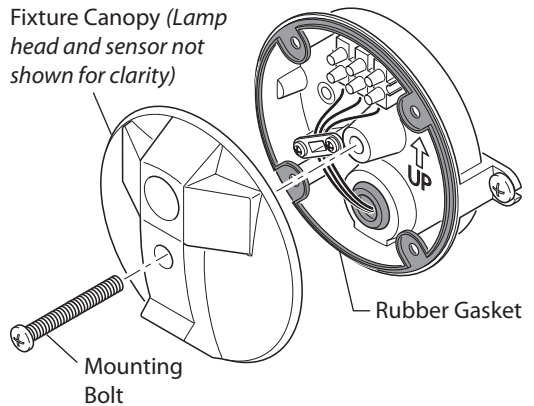


Figure 6

Caulk Upper Half of Canopy Extension

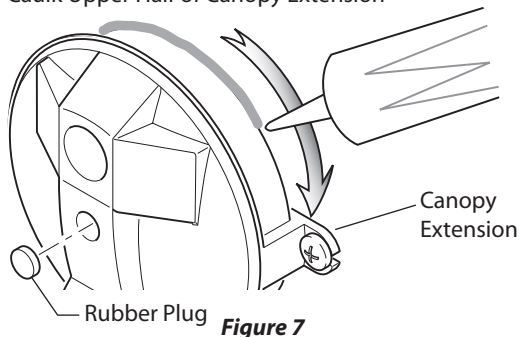


Figure 7

EAVE INSTALLATION INFORMATION

IMPORTANT: For under eave installation only, the sensor head must be rotated as shown in the next two steps for proper operation and to avoid the risk of electrical shock. **For proper under-eave operation, install light shield (included).** See **Light Shield Installation** for details.

1. Rotate the sensor head towards the clamp screw joint (see Figure 8).
2. Then rotate the sensor head clockwise 180° so the controls face down (see Figure 9).

Note: If the sensor pops out of the ball joint, loosen the clamp screw and push the sensor back into the ball joint. Tighten the clamp screw when done.

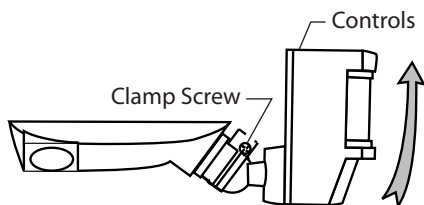


Figure 8

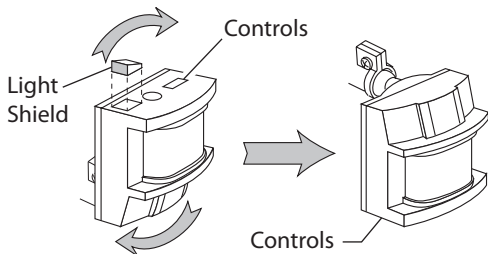


Figure 9

BULB INSTALLATION AND REPLACEMENT

CAUTION: When replacing bulb, turn power off and let the fixture cool.

Important: Use a clean glove or cloth when handling the new bulb. Use isopropyl (rubbing) alcohol to clean the bulb if it is touched with your bare hands.

NOTE: The bulb is included, but need to be installed. The bulb is located behind the glass cover of the lamp head.

1. Remove glass cover and remove the old bulb by pushing the bulb towards the right until the left side of the bulb is clear of the left socket.
2. To install the bulb, place one end of the bulb on the contact in the right socket. While pushing the bulb against the right contact, lower the other end of the bulb onto the contact in the left socket.
3. Spin the bulb to verify it is seated properly.
4. Re-install the glass cover.

For proper operation and safety, the light fixture must be above the sensor and the sensor head must be rotated so that the controls are on the bottom.

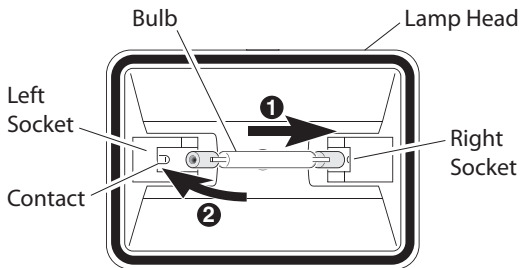


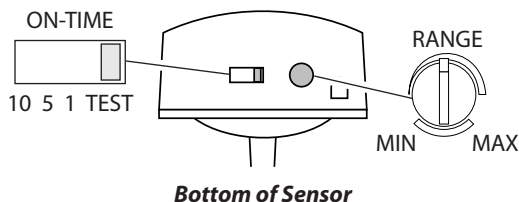
Figure 10

TESTING AND ADJUSTMENTS

1. Turn on the circuit breaker and light switch.

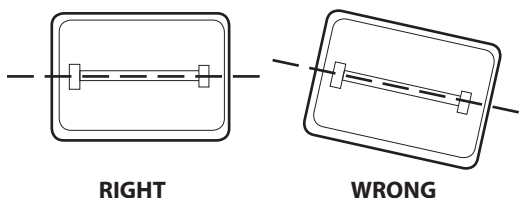
Note: Sensor has a 1 ½ minute warm up period before it will detect motion. When first turned on wait 1 ½ minutes.

2. Set:
 - ON-TIME switch to TEST
 - RANGE dial to Midway position



3. Adjust the lamp head by loosening the lock nut or using a screwdriver. The lamp head must be mounted horizontally (see Figure 11). After positioning lamp head, tighten the lock nut and apply thread sealant to ensure lamp head does not rotate.

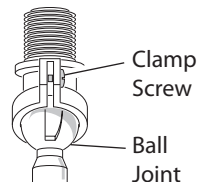
WARNING: Risk of fire. Do not aim the bulbs at a combustible surface within 1 meter (3 feet). 1m



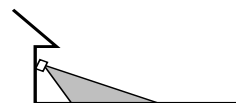
The halogen light must be mounted horizontally (+/- 4°).

Figure 11

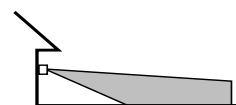
4. Loosen the clamp screw in the sensor ball joint and gently rotate the sensor.



5. Walk through the coverage area noting where you are when the lights turn on (also, the LED will flash several times when motion is detected). In TEST mode, light will stay on for 5 seconds after motion has stopped and then turn off. Move the sensor head up, down, or sideways to change the coverage area. **Keep the sensor at least 2.5 cm (1") away from the bulbs.**

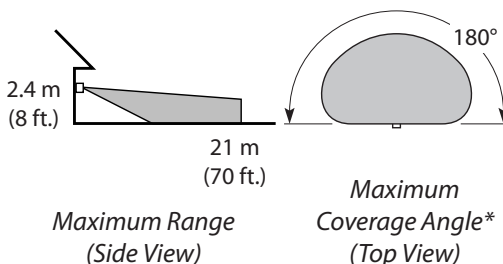


Aim Sensor Down for Short Coverage



Aim Sensor Higher for Long Coverage

6. Adjust the RANGE as needed. RANGE set too high may increase false triggering due to heat sources in the coverage area (see *Troubleshooting* section).
7. Secure the sensor head by tightening the clamp screw. **Do not overtighten the screw.**
8. Set the amount of ON-TIME you want the light to stay on after motion is detected (1, 5, or 10 minutes). The timer will reset as long as there is motion present. Once motion has stopped, the timer will time-out after the selected amount of time.



OPERATION

Mode:	On-Time	Works:	Day	Night
Test	5 Seconds		x	x
Auto	1, 5, or 10 Minutes			x
Manual	To Dawn*			x

* resets to Auto Mode at dawn.

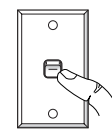
Note: When first turned on wait about 1 1/2 minutes for the circuitry to calibrate.

MANUAL MODE

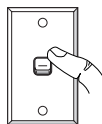
Manual mode only works at night because daylight returns the sensor to AUTO.

Flip the light switch off for one second then back on to toggle between AUTO and MANUAL MODE.

Manual mode works only with the ON-TIME switch in the 1, 5, or 10 position.

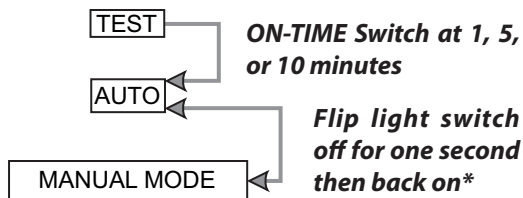


1 Second
OFF then...



... back on.

MODE SWITCHING SUMMARY



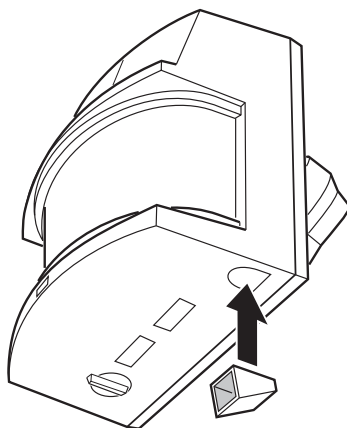
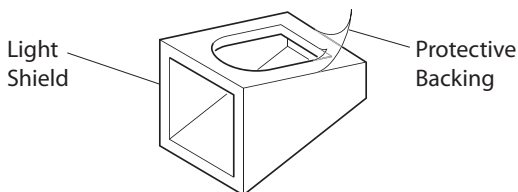
* If you get confused while switching modes, turn the power off for one minute, then back on. After the calibration time the control will be in the AUTO mode.

LIGHT SHIELD INSTALLATION

If your light does not come on at dusk or turns off unexpectedly, then another light source may be activating the daytime shutoff feature. Possible sources of light interference are street lights, landscape lighting, other security lights or lanterns, or an interior house light shining through a window. It could also be reflective light, such as from a pool or light colored wall.

To install the light shield, follow these simple steps.

1. Remove protective backing from the bottom of the light shield.
2. Position light shield over the photocell with the opening facing away from the interfering light.
3. Press the adhesive side firmly against the photocell to mount it permanently in place.



SPECIFICATIONS

Range	Up to 21 m (70 ft.) [varies with surrounding temperature]
Sensing Angle.....	Up to 180°
Electrical Load	Up to 250 Watt Maximum Halogen
Replacement Bulb	T3 250W (or less) halogen 230 VAC
Power Requirements.....	230 VAC, 50 Hz
Operating Modes	TEST, AUTO, and MANUAL MODE
ON-Timer.....	1, 5, 10 minutes
Test Timer.....	5 Seconds
Manual Mode Timer.....	Dusk-to-Dawn
Ingress Protection.....	IP43

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Light will not come on.	1. Light switch is turned off. 2. Bulb is loose or burned out. 3. Fuse is blown or circuit breaker is turned off. 4. Daylight turn-off is in effect. 5. Incorrect circuit wiring, if this is a new installation. 6. Light control aimed in wrong direction.	1. Turn light switch on. 2. Check bulb and replace if necessary. 3. Replace fuse or turn circuit breaker on. 4. Recheck after dark. 5. Verify wiring is correct. 6. Re-aim light control to cover desired area.
Light comes on in daylight.	1. Light control may be installed in a relatively dark location. 2. Light control is in TEST.	1. The fixture is operating normally under these conditions. 2. Set ON-TIME switch to 1, 5, or 10 minutes.
Light comes on for no apparent reason.	1. Light control may be sensing small animals or automobile traffic. 2. Range is set too high.	1. Re-aim sensor. Reduce range. 2. Reduce range.
Light stays on continuously.	1. Bulb is positioned too close to the sensor or pointed at nearby objects that cause heat to trigger the sensor. 2. The sensor may be picking up a heat source like an air vent, dryer vent, or brightly painted, heat-reflective surface. 3. Light control is in Manual mode. 4. Sensitivity is set too high.	1. Reposition the bulb away from the sensor or nearby objects. 2. Re-aim sensor. Reduce range. 3. Switch to Auto. 4. Reduce range.
Light flashes on and off.	1. Heat or light from the bulb may be turning the light control on and off. 2. Light control is in the TEST mode and warming up. 3. Heat being reflected from other objects may be affecting the sensor. 4. If cave installation, light shield not installed properly.	1. Reposition the bulb away from the sensor. 2. Flashing is normal under these conditions. 3. Re-aim sensor. Reduce range. 4. Install light shield according to instructions.

The Chamberlain Group reserves the right to discontinue products and to change specifications at any time without incurring any obligation to incorporate new features in products previously sold.

CHAMBERLAIN LIMITED WARRANTY

Lighting and Chime Products

Chamberlain Australia Pty Limited / Chamberlain New Zealand Limited (**Chamberlain**) is committed to manufacturing and supplying high quality goods. As part of this commitment, we seek to provide reliable service and support for our goods and are pleased to provide you, the original purchaser, with this Chamberlain Limited Warranty.

We also provide the following statement as required by the Australian Consumer Law: In Australia, in addition to your rights under this Chamberlain Limited Warranty, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Chamberlain's warranty

Chamberlain warrants to the original purchaser of the lighting or chime product (including any LED lights which are provided by Chamberlain as part of the goods) (**Unit**) that the Unit is free from defects in materials and workmanship for a period of 12 months from the date of purchase.

During the applicable Chamberlain Limited Warranty period, if you are concerned that the Unit may be defective, contact your retailer who will provide you with a replacement Unit or refer you to our service centre for a factory repair or replacement.

If your retailer refers you to us, call our service centre on the toll free number below and a Chamberlain technician will diagnose the problem. Once the problem has been diagnosed, subject to your rights under the Australian Consumer Law with respect to major failures, Chamberlain will provide you with shipping instructions for a factory repair or replacement.

If a factory repair or replacement is required, provided the defective part or Unit is returned to Chamberlain well-packaged and in accordance with Chamberlain's shipping instructions, Chamberlain will repair or, at its option but subject to your rights under the Australian Consumer Law with respect to major failures, replace any defective part or Unit and return it to you at no cost.

Repairs and replacement parts provided under this Chamberlain Limited Warranty are provided free of charge and are warranted for the remaining portion of the original warranty period.

This Chamberlain Limited Warranty provides benefits which are in addition to your other rights and remedies as a consumer.

Exclusions

If our service centre determines that a warranty claim has been made in respect of a failure or defect arising under or out of any exclusion detailed below such that the claim is not covered under this Chamberlain Limited Warranty, we may, subject to your other rights and remedies as a consumer, charge you a fee to repair, replace and/or return the Unit to you.

Exclusions

This Chamberlain Limited Warranty does not cover any failure of, or defect in, the Unit due to:

1. non-compliance with the instructions regarding installation, operation, maintenance and testing of the Unit or of any product with which the Unit is used;
2. any attempt by a person other than an authorised installer to repair, dismantle, reinstall or move the Unit to another location once it has been installed;
3. tampering, neglect, abuse, wear and tear, accident, electrical storm, excessive use or conditions other than normal domestic use;
4. problems caused by electrical faults or replacement of batteries or light bulbs;
5. submersion in water or other fluids;
6. power supply greater or less than what is specified;
7. use of a light bulb with a higher wattage than that specified; or
8. for chimes products, radio interference from another radio frequency appliance.

If this Chamberlain Limited Warranty does not apply, you may have rights available to you under the Australian Consumer Law.

Liability – Australia only

Except as set out in the Australian Consumer Law (being Schedule 2 of the *Competition and Consumer Act 2010*) (as amended, consolidated or replaced):

1. all other guarantees, warranties and representations in relation to the Unit or its supply are excluded to the extent that Chamberlain can lawfully exclude them; and
2. under no circumstances will Chamberlain be liable for consequential, incidental or special damages arising in connection with the use, or inability to use, the Unit, other than those which were reasonably foreseeable as liable to result from the failure.

Liability – New Zealand only

Except as set out in the *Fair Trading Act 1986* and the *Consumer Guarantees Act 1993* (as amended, consolidated or replaced):

1. all other guarantees, warranties and representations in relation to the Unit or its supply are excluded to the extent that Chamberlain can lawfully exclude them; and
2. under no circumstances will Chamberlain be liable for consequential, incidental or special damages arising in connection with the use, or inability to use, the Unit, other than those which were reasonably foreseeable as liable to result from the failure.

Note

We request that you retain your sales docket or invoice as proof-of-purchase and attach it to this manual to enable you to establish the date of purchase in the unlikely event of a warranty service being required. Chamberlain reserves the right to change the design and specifications of the Unit without prior notification. Some features or accessories of the Unit may not be available in certain markets or areas. Please check with your retailer.

Chamberlain service centre contact details

Australia

Phone toll free 1800 638 234

Fax toll free 1800 888 121

Email: customerservice@chamberlainnz.com

Chamberlain Australia Pty. Ltd.

Unit 3, 7-9 Orion Rd

Lane Cove NSW 2066

(P.O. Box 1446, Lane Cove, NSW 1595)

New Zealand

Auckland phone 09 477 2823

Phone toll free 0800 653 667

Fax toll free 0800 653 663

Chamberlain New Zealand Limited

17A Arrenway Drive, Albany

Auckland

(PO Box 100221 North Shore 0745)

Website

www.chamberlainnz.com

NOTES

NOTES

NOTES
